

## CLAIMS

We claim:

1. A liquid crystal display, comprising:

a backlight module having a light source, a light guide plate, a reflector, and a quarter-wave plate, the light source being disposed adjacent to one side of the light guide plate, and the reflector, the quarter-wave plate and the light guide plate being stacked together from bottom to top in that order; and

a liquid crystal panel having a reflective polarizing element, the liquid crystal panel is located on the backlight module, and the reflective polarizing element faces a top surface of the light guide plate.

2. The liquid crystal display of claim 1, wherein a plurality of V-shaped grooves is defined on the top surface of the light guide plate.

3. The liquid crystal display of claim 1, wherein the quarter-wave plate is attached to a bottom surface of the light guide plate.

4. The liquid crystal display of claim 3, further comprising a diffuser disposed between the liquid crystal panel and the light guide plate.

5. The liquid crystal display of claim 4, further comprising a brightness enhancing film disposed between the diffuser and the liquid crystal panel.

6. The liquid crystal display of claim 5, further comprising a plurality of printing-dots being defined on the bottom surface.

7. A backlight module, comprising:

a reflector, a quarter-wave plate and a light guide plate being stacked together from bottom to top in that order; and

a light source, being disposed adjacent to one side of the light guide plate.

8. The liquid crystal display of claim 7, wherein a plurality of V-shaped grooves is defined on a top surface of the light guide plate.

9. The liquid crystal display of claim 7, wherein the quarter-wave plate is attached to a bottom surface of the light guide plate.

10. The liquid crystal display of claim 9, further comprising a diffuser disposed between the liquid crystal panel and the light guide plate.

11. The liquid crystal display of claim 10, further comprising a brightness enhancing film disposed between the diffuser and the liquid crystal panel.

12. The liquid crystal display of claim 11, further comprising a plurality of printing-dots being defined on the bottom surface.

13. A liquid crystal display comprising:

a light guide plate;

a light source located by one side of the light guide plate;

a quarter-wave plate located under said light guide plate;

a reflector located under said quarter-wave plate; and

a reflective polarizing element located above the light guide plate.